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## NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

02/02/2009

Snell & Wilmer 600 Anton Blvd Suite 1400 EXAMINER

GREEN, YARA B

ART UNIT

PAPER NUMBER

2884

DATE MAILED: 02/02/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/580,671	05/26/2006	Christopher Stuart Cutler	42706-2400	5735

TITLE OF INVENTION: GAS SENSOR

Costa Mesa, CA 92626

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/04/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

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If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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## Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

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CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
7590 02/02/2009  Snell & Wilmer 600 Anton Blvd Suite 1400			I her State	Certifi eby certify that this F	cate of Mailing or Transi Fee(s) Transmittal is being sufficient postage for firs	nission deposited with the United t class mail in an envelope above, or being facsimile tte indicated below.	
Costa Mesa, CA	. 92626					(Depositor's name)	
						(Signature)	
						(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	A	TTORNEY DOCKET NO.	CONFIRMATION NO.	
10/580,671	05/26/2006		Christopher Stuart Cutler		42706-2400	5735	
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/04/2009	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS				
GREEN,	YARA B	2884	250-339130				
"Fee Address" ind PTO/SB/47; Rev 03-0 Number is required.  ASSIGNEE NAME A PLEASE NOTE: Unl	ND RESIDENCE DATA less an assignee is ident h in 37 CFR 3.11. Comp	" Indication form ned. Use of a Customer  A TO BE PRINTED ON This ified below, no assignee	(1) the names of up to or agents OR, alternativ (2) the name of a single registered attorney or a 2 registered patent attor listed, no name will be particular or typ data will appear on the part a substitute for filing an a (B) RESIDENCE: (CITY	ely, e firm (having as a megent) and the names of news or agents. If no printed.  e) tent. If an assignee assignment.	ember a 2of up to name is 3is identified below, the do	ocument has been filed for	
lease check the appropr	riate assignee category or	categories (will not be pr	rinted on the patent):	Individual 🖵 Corpo	oration or other private gro	up entity Government	
a. The following fee(s) are submitted:  Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)  A check is enclosed.  Payment by credit card. Form PTO-2038 is attached.  The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).				
_ ~ .	atus (from status indicated as SMALL ENTITY state				ENTITY status. See 37 CF	FR 1.27(g)(2).	
NOTE: The Issue Fee and terest as shown by the i	d Publication Fee (if reqrecords of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than the Office.	e applicant; a register	red attorney or agent; or th	e assignee or other party in	
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n application. Confiden	tiality is governed by 35	U.S.C. 122 and 37 CFR	on is required to obtain or re 1.14. This collection is esti depending upon the indivi e Chief Information Office	mated to take 12 min	utes to complete, including	by the USPTO to process) g gathering, preparing, and ne you require to complete rtment of Commerce, P.O.	

submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments of the amount of this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



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10/580,671	05/26/2006	Christopher Stuart Cutler	42706-2400	5735
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Snell & Wilmer			GREEN, YARA B	
600 Anton Blvd			ART UNIT	PAPER NUMBER
Suite 1400 Costa Mesa, CA 92	2626		2884 DATE MAILED: 02/02/200	9

## **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 132 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 132 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)
	10/580,671	CUTLER ET AL.
Notice of Allowability	Examiner	Art Unit
	YARA B. GREEN	2884
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RID of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this a or other appropriate communicati IGHTS. This application is subject	application. If not included on will be mailed in due course. <b>THIS</b>
2. The allowed claim(s) is/are <u>1,3,5-20,22-44 and 46-50</u> .		
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority ur <ul> <li>a)  All</li> <li>b)  Some*</li> <li>c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> <li>2.  Certified copies of the priority documents have</li> <li>3.  Copies of the certified copies of the priority documents have</li> <li>3.  Copies of the certified copies of the priority documents have</li> <li>3.  Copies of the certified copies of the priority documents have</li> <li>3.  Copies of the certified copies of the priority documents have</li> <li>3.  Copies of the priority documents have</li> <li>3.  Copies of the priority documents have</li> <li>deposition of the priority documents have</li> <li>deposition of the priority documents have</li> <li>Tertified copies of the priority documents have</li> <li>Applicant has Three months From the first "MAILING DATE"</li> <li>noted below. Failure to timely comply will result in ABANDONN</li> <li>THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.</li> </ul> </li> <li>4.  A SUBSTITUTE OATH OR DECLARATION must be subminered in Instruments of the priority documents have a subminered by the Notice of Draftspers</li> <li>1.  A SUBSTITUTE OATH OR DECLARATION (PTO-152) which give the priority of the priority documents have a subminered by the Notice of Draftspers</li> <li>1.  A SUBSTITUTE OATH OR DECLARATION (PTO-152) which give the priority of the priority documents have a subminered by the Notice of Draftspers</li> <li>1.  A SUBSTITUTE OATH OR DECLARATION (PTO-152) which give the priority documents have a subminered by the Notice of Draftspers</li> <li>1.  A SUBSTITUTE OATH OR DECLARATION (PTO-152) which give the priority documents have a subminered by the Notice of Draftspers</li> <li>2.  A SUBSTITUTE OATH OR DECLARATION (PTO-152) which give the priority documents have a subminered by the Notice of Draftspers</li> <li>3.  A SUBSTITUTE OATH OR DECLARATION (PTO-152) which give the priority documents have a subminered by the Notice of Draftspers</li> <li>4.  A SUBSTITUTE OA</li></ul>	e been received. e been received in Application No. cuments have been received in the of this communication to file a rep MENT of this application.  itted. Note the attached EXAMINE es reason(s) why the oath or decla est be submitted. son's Patent Drawing Review ( PT . s Amendment / Comment or in the .84(c)) should be written on the dra he header according to 37 CFR 1.12 sit of BIOLOGICAL MATERIAL	is national stage application from the is national stage application from the all stage application from the all stages application from the all stages application from the requirements  ER'S AMENDMENT or NOTICE OF a ration is deficient.  O-948) attached  Office action of a wings in the front (not the back) of the the all stages application from the back) of the must be submitted. Note the
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. Notice of Informa 6. Interview Summa Paper No./Mail I 7. Examiner's Amer 8. Examiner's State 9. Other	ry (PTO-413), Date

## **DETAILED ACTION**

This Office Action is in response to Applicant's Amendment filed October 16, 2008. Claims 1, 46, and 50 have been amended. No new claims have been added. No claims have been cancelled. Currently, claims 1, 3, 5-20, 22-44, and 46-50 are pending.

### Response to Arguments

1. Applicant's arguments, with respect to the amendment of claims 1 and 46 have been fully considered and are persuasive. The rejections of claims 1 and 46 have been withdrawn.

## Allowable Subject Matter

- 2. Claims 1, 3, 5-20, 22-44, and 46-50 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: The reasons for allowance with regards to claims 22-44 and 48-49 have been previously presented and will not be repeated.
- 4. With regards to claims 1, 3, 5-20, and 50, prior art does not teach or fairly suggest a gas sensor comprising a cavity, a radiation detection means and/or detector mounted on a printed circuit board, an electronics housing having an upper wall that defines a wall of the cavity, and a resilient member having one or more apertures through which the radiation means and/or detectors extend wherein the resilient member extends from the printed circuit board to the lower surface of the upper wall of an electronics housing.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 10/580,671

Art Unit: 2884

Any inquiry concerning this communication or earlier communications from the examiner should be directed to YARA B. GREEN whose telephone number is (571)270-3035. The examiner

can normally be reached on Monday - Thursday, 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Page 3

Dave Porta can be reached on (571) 272-2444. The fax phone number for the organization where

this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR system,

see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system,

contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like

assistance from a USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Yara B. Green

/YBG/

/David P. Porta/

Supervisory Patent Examiner, Art Unit 2884